Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of the claims in the application:.

Listing of Claims:

1.   (Currently Amended) ~~Method~~ A method for modifying a sound reproduction of a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system ~~with steps for~~ , the method comprising:

[[-]]   identifying audio data in the music file which represent a sound with a spectral component below [[the]] a transmission frequency range of the loudspeaker[[,]] ; and

[[-]]   modifying a sound reproduction of ~~sound from~~ the identified audio data such [[,]] that the modified sound reproduction yields a sound spectrum having an increased energy content within the transmission frequency range of the loudspeaker as compared to a sound spectrum of ~~obtained by~~ an unmodified sound reproduction,

~~whereby~~ wherein the modified sound reproduction ~~of sound~~ is based on ~~swapping~~ replacing a specification ~~given~~ provided in the music file for [[the]] an instrument used to reproduce sound from the identified audio data [[by]] with a substitute specification of an instrument with brighter timbre.

2.   (Currently Amended) ~~Method~~ A method according to claim 1, ~~characterised in that~~ wherein the instrument of the substitute specification belongs to [[the]] a same category of instruments as the ~~originally specified~~ instrument of the specification provided in the music file.

3.   (Currently Amended) ~~Method~~ A method according to claim 1 [[or 2]], ~~characterised in that if~~ wherein more than one substitute specification is available ~~for~~

~~being swapped with an original specification in the music file, the~~ , and wherein a

<u>particular</u> substitute specification is selected based on [[the]] <u>a</u> register in which the

~~originally-specified~~ instrument <u>of the specification provided in the music file</u> is to be

replayed.

    4.   (Currently Amended) ~~Method~~ <u>A method</u> for modifying a <u>sound</u>

reproduction of a music file according to a transmission characteristic of a loudspeaker

of a mobile terminal of a wireless communication system ~~with steps for~~ , <u>the method</u>

<u>comprising:</u>

    [[-]]   identifying audio data in the music file which represent a sound with a

spectral component below [[the]] <u>a</u> transmission frequency range of the loudspeaker[[,]]

<u>; and</u>

    [[-]]   modifying a <u>sound</u> reproduction of ~~sound from~~ the identified audio data

such [[,]] that the modified <u>sound</u> reproduction yields a sound spectrum having an

increased energy content within the transmission frequency range of the loudspeaker as

compared to <u>a</u> sound <u>spectrum of</u> ~~obtained by~~ an unmodified <u>sound</u> reproduction,

    ~~whereby~~ <u>wherein</u> the modified <u>sound</u> reproduction ~~of sound~~ is based on a

transposition of <u>frequency data in the music file</u> ~~the sound spectrum~~ to a higher

frequency range.

    5.   (Currently Amended) ~~Method~~ <u>A method</u> according to claim 4,

~~characterised in that~~ <u>wherein</u> the transposition shifts the sound spectrum <u>of the</u>

<u>modified sound reproduction</u> such [[,]] that the lower end of the sound spectrum <u>of the</u>

<u>modified sound reproduction</u> is located within the transmission <u>frequency</u> range of the

loudspeaker.

    6.   (Currently Amended) ~~Method~~ <u>A method</u> according to claim 5,

~~characterised in that the~~ <u>wherein a</u> main energy content of the ~~transposed~~ sound

spectrum of the modified sound reproduction is located within a frequency range from about 5 kHz to about 10 kHz.

7.   (Currently Amended) ~~Method~~ A method according to ~~one of the claims 1 to 6~~ claim 4, ~~characterised in that~~ wherein the modified sound reproduction ~~of sound~~ is based on a modified parameter file.

8.   (Currently Amended) ~~Method~~ A method according to ~~one of the claims 1 to 6~~ claim 4, ~~characterised in that~~ wherein the modified sound reproduction ~~of sound~~ is based on a modified FM-spectra file.

9.   (Currently Amended) ~~Method~~ A method according ~~one of the claims 1 to 8~~ claim 4, ~~characterised in that~~ wherein [[the]] a format of the music file corresponds to a MIDI data file format.

10.   (Currently Amended) ~~Apparatus~~ An apparatus for rendering sampled data from a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the apparatus ~~(100)~~ comprising:

[[-]]   storage means ~~(101)~~ for storing the music file and data related to [[the]] transmission ~~characteristic~~ characteristics of one or more ~~loudspeaker~~ loudspeakers,

[[-]]   selection means ~~(102)~~ for selecting data for a particular loudspeaker from the storage means,

[[-]]   low frequency sound identification means ~~(103)~~ for identifying audio data in the music file which represent a sound with a spectral component below [[the]] a transmission frequency range of [[a]] the particular loudspeaker ~~according~~ corresponding to the selected data,

[[-]]   control means ~~(104)~~ for controlling a modification of a sound reproduction ~~of sound~~ from the identified audio data such [[,]] that the modified sound reproduction yields a sound spectrum having an increased energy content within the

transmission frequency range of the <u>particular</u> loudspeaker as compared to <u>a</u> sound spectrum of ~~obtained by~~ an unmodified <u>sound</u> reproduction[[,]] ; and

[[-]]   ~~synthesising~~ <u>synthesizing</u> means ~~(105)~~ for ~~synthesising~~ <u>synthesizing</u> sampled data from [[the]] <u>a</u> modified music ~~score~~ <u>file,</u>

~~whereby~~ <u>wherein</u> the control means ~~(104)~~ modifies the ~~reproduction of a~~ music file <u>to provide the modified music file</u> ~~according to a method of one of the claims 1 to 9~~ <u>by replacing a specification of an instrument provided in the music file for the identified audio data with a substitute specification of an instrument having brighter timbre and/or by transposing frequency data in the music file to a higher frequency range.</u>

11.   (Currently Amended) ~~Apparatus~~ <u>An apparatus</u> according to claim 10, ~~characterised in that~~ <u>wherein</u> the control means ~~(104)~~ is ~~adapted~~ <u>configured</u> to store <u>modified</u> audio data representing <u>the</u> ~~a sound obtained by a~~ modified <u>sound</u> reproduction in a music file in [[a]] <u>the</u> storage means ~~(101)~~ of the apparatus ~~(100)~~.

12.   (Currently Amended) ~~Apparatus~~ <u>An apparatus</u> according to ~~one of the claims 10 or 11~~ <u>claim 10,</u> ~~characterised in that~~ <u>wherein</u> the control means ~~(104)~~ is ~~adapted~~ <u>configured</u> to modify the <u>sound</u> reproduction ~~of sound~~ at [[the]] <u>a</u> time [[the]] <u>a</u> respective music file is replayed via the loudspeaker.

13.   (Currently Amended) ~~Mobile~~ <u>A mobile</u> terminal for use with a wireless communication system and ~~adapted~~ <u>configured</u> to reproduce audio data from a music file, the mobile terminal comprising<u>:</u>

[[-]]   an apparatus <u>according to claim 10</u> ~~(100) for rendering~~ <u>configured to render</u> sampled data from the music file ~~according to one of the claims 10 to 12,~~ <u>;</u>

[[-]]   a transformation means ~~for transforming~~ <u>configured to transform</u> the sampled data obtained from the apparatus ~~(100)~~ into ~~a respective analogue~~ <u>an analog</u> electrical signal [[,]] ; and

[[-]]   a loudspeaker ~~for converting~~ configured to convert the ~~analogue~~ analog electrical signal into a ~~respective~~ sound signal.

14.   (Currently Amended) ~~Software~~ A computer program product for modifying a sound reproduction of a music file according to a transmission characteristic of a loudspeaker of a mobile terminal of a wireless communication system, the computer program product comprising:

a computer readable storage medium having computer readable program code embodied therein that is ~~a series of state elements which are adapted~~ configured to be processed by a data processing means of [[a]] the mobile terminal ~~such, that~~ to carry out a method according to ~~one of the claims 1 to 9 may be executed thereon~~ claim 1.